

CLUSTER**B2 FC**

2-Lite Audience Blinder

1CH DWE	13CH STANDARD RGB (default)
2CH DWE	22 CH STANDARD RGB
4CH DWE	24CH EXTENDED RGB
9CH DWE+	33CH EXTENDED RGB
6CH STROBE	10CH DIRECT
6CH RGB	12CH DIRECT
10CH BASIC RGB	17CH DIRECT
14CH BASIC RGB	28CH DIRECT
	41CH DIRECT

CH	1CH DWE (Calibrated)	2CH DWE (Calibrated)	4CH DWE (Calibrated)	9CH DWE+ (Calibrated)	6CH STROBE (Calibrated)
1	Dimmer	Dimmer 1	Dimmer	Master Dimmer	Master Dimmer
2		Dimmer 2	Dimmer Curve	Shutter	Shutter
3			Dimmer Response	Red	Duration
4			Redshift	Green	Dimmer 1
5				Blue	Dimmer 2
6				CTC	CCT
7				Dimmer Curve	
8				Dimmer Response	
9				Redshift	

CH	6CH RGB (Calibrated)	10CH BASIC RGB (Calibrated)	14CH BASIC RGB (Calibrated)
1	Red 1	Master Dimmer	Master Dimmer
2	Green 1	Shutter	Master Dimmer Fine
3	Blue 1	Red	Shutter
4	Red 2	Green	Red
5	Green 2	Blue	Red Fine
6	Blue 2	CTC	Green
7		Tint	Green Fine
8		Color Macro	Blue
9		Color Macro Crossfade	Blue Fine
10		Device Settings	CTC
11			Tint
12			Color Marco
13			Color Macro Crossface
14			Device Settings

CH	13CH STANDARD RGB (Calibrated / default)	22CH STANDARD RGB (Calibrated)	24CH EXTENDED RGB (Calibrated)	33CH EXTENDED RGB (Calibrated)
1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer
2	Shutter	Master Dimmer Fine	Shutter	Master Dimmer Fine
3	Dimmer 1	Shutter	Duration	Shutter
4	Red 1	Dimmer 1	Dimmer 1	Duration
5	Green 1	Dimmer 1 Fine	Red 1	Dimmer 1
6	Blue 1	Red 1	Green 1	Dimmer 1 Fine
7	Dimmer 2	Red 1 Fine	Blue 1	Red 1
8	Red 2	Green 1	CTC 1	Red 1 Fine
9	Green 2	Green 1 Fine	Tint 1	Green 1
10	Blue 2	Blue 1	Color Macro 1	Green 1 Fine
11	CTC (all)	Blue 1 Fine	Color Macro Crossfade 1	Blue 1
12	Tint (all)	Dimmer 2	Dimmer 2	Blue 1 Fine
13	Device Settings	Dimmer 2 Fine	Red 2	CTC 1
14		Red 2	Green 2	Tint 1
15		Red 2 Fine	Blue 2	Color Macro 1
16		Green 2	CTC 2	Color Macro Crossfade 1
17		Green 2 Fine	Tint 2	Dimmer 2
18		Blue 2	Color Macro 2	Dimmer 2 Fine
19		Blue 2 Fine	Color Macro Crossfade 2	Red 2
20		CTC (all)	Effect	Red 2 Fine
21		Tint (all)	Dimmer Curve	Green 2
22		Device Settings	Dimmer Response	Green 2 Fine
23			Redshift	Blue 2
24			Device Settings	Blue 2 Fine
25				CTC 2
26				Tint 2
27				Color Macro 2
28				Color Macro Crossfade 2
29				Effect
30				Dimmer Curve
31				Dimmer Response
32				Redshift
33				Device Settings

CH	10CH DIRECT (RAW)	12CH DIRECT (RAW)	17CH DIRECT (RAW)	28CH DIRECT (RAW)	41CH DIRECT (RAW)
1	Red 1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer
2	Green 1	Shutter	Shutter	Shutter	Master Dimmer Fine
3	Blue 1	Red	Dimmer 1	Duration	Shutter
4	Amber 1	Green	Red 1	Dimmer 1	Duration
5	White 1	Blue	Green 1	Red 1	Dimmer 1
6	Red 2	Amber	Blue 1	Green 1	Dimmer 1 Fine
7	Green 2	White	Amber 1	Blue 1	Red 1
8	Blue 2	CTC	White 1	Amber 1	Red 1 Fine
9	Amber 2	Tint	Dimmer 2	White 1	Green 1
10	White 2	Color Macro	Red 2	CTC 1	Green 1 Fine
11		Color Macro Crossfade	Green 2	Tint 1	Blue 1
12		Device Settings	Blue 2	Color Macro 1	Blue 1 Fine
13			Amber 2	Color Macro Crossfade 1	Amber 1
14			White 2	Dimmer 2	Amber 1 Fine
15			CTC (all)	Red 2	White 1
16			Tint (all)	Green 2	White 1 Fine
17			Device Settings	Blue 2	CTC 1
18				Amber 2	Tint 1
19				White 2	Color Macro 1
20				CTC 2	Color Macro Crossfade 1
21				Tint 2	Dimmer 2
22				Color Macro 2	Dimmer 2 Fine
23				Color Macro Crossfade 2	Red 2
24				Effect	Red 2 Fine
25				Dimmer Curve	Green 2
26				Dimmer Response	Green 2 Fine
27				Redshift	Blue 2
28				Device Settings	Blue 2 Fine
29					Amber 2
30					Amber 2 Fine
31					White 2
32					White 2 Fine
33					CTC 2
34					Tint 2
35					Color Macro 2
36					Color Macro Crossfade 2
37					Effect
38					Dimmer Curve
39					Dimmer Response
40					Redshift
41					Device Settings

1CH DWE (Calibrated / according to selected Tunable White settings at Stand Alone Mode, default 2900K)

CH	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0

2CH DWE (Calibrated / according to selected Tunable White settings at Stand Alone Mode, default 2900K)

CH	Function	Value	Setting	Remark	Default
1	Dimmer 1	000-255	0 - 100%		0
2	Dimmer 2	000-255	0 - 100%		0

4CH DWE (Calibrated / according to selected Tunable White settings at Stand Alone Mode, default 2900K)

CH	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
3	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
4	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		

9CH DWE+ (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		

2	Shutter	150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)	20	
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
3	Red	000-255	0 - 100%	255	
4	Green	000-255	0 - 100%	255	
5	Blue	000-255	0 - 100%	255	
6	CTC (affects RGB)	000 - 004	2900K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
7	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
8	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
9	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700- 3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		

6CH STROBE MODE (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
225 - 229	Shutter open				
230 - 244	Strobe 10: burst (fast ⊕ slow)				
245 - 255	Shutter open				
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
4	Dimmer 1	000-255	0 - 100%		255
5	Dimmer 2	000-255	0 - 100%		255
6	CCT	000 - 004	5600K	according to CTC chart	0
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

6CH RGB (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Red 1	000-255	0 - 100%		0
2	Green 1	000-255	0 - 100%		0
3	Blue 1	000-255	0 - 100%		0
4	Red 2	000-255	0 - 100%		0
5	Green 2	000-255	0 - 100%		0
6	Blue 2	000-255	0 - 100%		0

10CH BASIC RGB (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
210 - 224	Strobe 9: sine wave (fast ⊕ slow)				
225 - 229	Shutter open				
230 - 244	Strobe 10: burst (fast ⊕ slow)				
245 - 255	Shutter open				
3	Red	000-255	0 - 100%		255
4	Green	000-255	0 - 100%		255
5	Blue	000-255	0 - 100%		255

6	CTC (affects RGB)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
7	Tint (affects CTC and RGB)		Tint (affects CTC and RGB)	no function	0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
8	Color Macro (override RGB/CTC)				
9	Color Macro Cross-fade (Transition Time between Color Macros)	000 - 005	No function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
10	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
125-129	Full Calibration (Colors & CCT / hold 3s)				
130-134	CCT Calibration (RAW Colors / hold 3s)				

10	Device Settings (please see remark *1)	135-139	No function		0
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX			
240-255	No function				

14CH BASIC RGB (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
210 - 224	Strobe 9: sine wave (fast ⊕ slow)				
225 - 229	Shutter open				
230 - 244	Strobe 10: burst (fast ⊕ slow)				
245 - 255	Shutter open				
4	Red	000-255	0 - 100%		255
5	Red Fine	000-255	0 - 100%		255
6	Green	000-255	0 - 100%		255
7	Green Fine	000-255	0 - 100%		255
8	Blue	000-255	0 - 100%		255
9	Blue Fine	000-255	0 - 100%		255
10	CTC (affects RGB)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
11	Tint (affects CTC and RGB)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		

12	Color Macro (override RGB/CTC)				0
13	Color Macro Cross-fade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
14	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration(RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
175-179	Fan Auto (hold 3s)				
180-184	Fan Silent (hold 3s)				
185-189	Fan Off (hold 3s)				
190-194	Fan High Power (hold 3s)				

14	Device Settings (please see remark *1)	195-199	No function		0
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	
		240-255	No function		

13CH STANDARD RGB (Calibrated / default)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
145 - 149	Shutter open				
2	Shutter	150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		20
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
3	Dimmer 1	000-255	0 - 100%		255
4	Red 1	000-255	0 - 100%		255
5	Green 1	000-255	0 - 100%		255
6	Blue 1	000-255	0 - 100%		255
7	Dimmer 2	000-255	0 - 100%		255
8	Red 2	000-255	0 - 100%		255
9	Green 2	000-255	0 - 100%		255
10	Blue 2	000-255	0 - 100%		255
11	CTC (affects RGB 1+2)	000 - 004	5600K	according to CTC chart	0
		005-182	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-225	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

12	Tint (affects CTC and RGB 1+2)	0	no function	0
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
13	Device Settings (please see remark *1)	000-029	No function	0
		030-034	Display Backlight On (hold 3s)	
		035-039	Display Backlight Off (hold 3s)	
		040-044	No function	
		045-049	DMX Fail Blackout (hold 3s)	
		050-054	DMX Fail Hold (hold 3s)	
		055-059	DMX Fail - Emergency Light (hold 3s)	
		060-064	No function	
		065-069	Linear Dimmer Curve (hold 1,5s)	
		070-074	Exponential Dimmer Curve (hold 1,5s)	
		075-079	Logarithmic Dimmer Curve (hold 1,5s)	
		080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
105-109	No function			
110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)			
115-119	Redshift Off (hold 1,5s)			
13	Device Settings (please see remark *1)	120-124	No function	0
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration(RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12kHz (hold 3s)	
		165-169	LED Frequency 25kHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
185-189	Fan Off (hold 3s)			

13	Device Settings (please see remark *1)	190-194	Fan High Power (hold 3s)		0
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	
		240-255	No function		

22CH STANDARD RGB (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
3	Shutter	170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		20
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		

4	Dimmer 1	000-255	0 - 100%		255
5	Dimmer 1 Fine	000-255	0 - 100%		255
6	Red 1	000-255	0 - 100%		255
7	Red Fine 1	000-255	0 - 100%		255
8	Green 1	000-255	0 - 100%		255
9	Green Fine 1	000-255	0 - 100%		255
10	Blue 1	000-255	0 - 100%		255
11	Blue Fine 1	000-255	0 - 100%		255
12	Dimmer 2	000-255	0 - 100%		255
13	Dimmer 2 Fine	000-255	0 - 100%		255
14	Red 2	000-255	0 - 100%		255
15	Red Fine 2	000-255	0 - 100%		255
16	Green 2	000-255	0 - 100%		255
17	Green Fine 2	000-255	0 - 100%		255
18	Blue 2	000-255	0 - 100%		255
19	Blue Fine 2	000-255	0 - 100%		255
20	CTC (affects RGB 1+2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
21	Tint (affects CTC and RGB 1+2)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
22	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		

22	Device Settings (please see remark *1)	095-099	Medium Dimmer Response (hold 1,5s)		0
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration(RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		235-239	User reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 no self-test by DMX	
		240-255	No function		

24CH EXTENDED RGB (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast @ slow)		
		065 - 069	Shutter open		

2	Shutter	070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		20
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
2	Shutter	110 - 124	Strobe 4: random strobe (fast ⊕ slow)		20
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
4	Dimmer 1	000-255	0 - 100%		255
5	Red 1	000-255	0 - 100%		255
6	Green 1	000-255	0 - 100%		255
7	Blue 1	000-255	0 - 100%		255
8	CTC 1 (affects RGB 1)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
9	Tint 1 (affects CTC 1 and RGB 1)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
10	Color Macro 1 (override RGB 1/ CTC 1)				0

11	Color Macro Cross-fade 1 (Transition Time between Color Macros 1)	000 - 005	no function	0	
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
12	Dimmer 2	000-255	0 - 100%	255	
13	Red 2	000-255	0 - 100%	255	
14	Green 2	000-255	0 - 100%	255	
15	Blue 2	000-255	0 - 100%	255	
16	CTC 2 (affects RGB 2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
17	Tint 2 (affects CTC 2 and RGB 2)	0	no function	0	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
18	Color Macro 2 (override RGB 2 / CTC 2)				
19	Color Macro Cross-fade 2 (Transition Time between Color Macros 2)	000 - 005	no function	0	
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
20	Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2	000-015	No Function	0	
		016-039	Effect 1 (slow to fast)		
		040-063	Effect 2 (slow to fast)		
		064-87	Effect 3 (slow to fast)		
		88-111	Effect 4 (slow to fast)		
		112-135	Effect 5 (slow to fast)		
		136-159	Effect 6 (slow to fast)		
		160-183	Effect 7 (slow to fast)		
184-207	Effect 8 (slow to fast)				
20	Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2	208-231	Effect 9 (slow to fast)	0	
		232-255	Effect 10 (slow to fast)		

21	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings	0
		052-101	Linear Dimmer Curve	
		102-152	Exponential Dimmer Curve	
		153-203	Logarithmic Dimmer Curve	
		204-255	S-Curve Dimmer Curve	
22	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	0
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
23	Redshift	000-84	No Function - Current Preset from Menu Settings	0
		085-170	Redshift Off	
		171-255	Redshift On	
24	Device Settings (please see remark *1)	000-029	No function	0
		030-034	Display Backlight On (hold 3s)	
		035-039	Display Backlight Off (hold 3s)	
		040-044	No function	
		045-049	DMX Fail Blackout (hold 3s)	
		050-054	DMX Fail Hold (hold 3s)	
		055-059	DMX Fail - Emergency Light (hold 3s)	
		060-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration(RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12kHz (hold 3s)	
		165-169	LED Frequency 25kHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-204	Invert Mapping Off (hold 3s)	
		205-209	Invert Mapping On (hold 3s)	
		210-214	No function	
215-219	LED Mode - Illumination (hold 1,5s)			
220-224	LED Mode - Boost (hold 1,5s)			

24	Device Settings (please see remark *1)	225-229	No function		0
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	
		240-255	No function		

33 CH EXTENDED RGB (Calibrated)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
210 - 224	Strobe 9: sine wave (fast ⊕ slow)				
225 - 229	Shutter open				
230 - 244	Strobe 10: burst (fast ⊕ slow)				
245 - 255	Shutter open				
4	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
5	Dimmer 1	000-255	0 - 100%		255
6	Dimmer 1 Fine	000-255	0 - 100%		255
7	Red 1	000-255	0 - 100%		255

8	Red Fine 1	000-255	0 - 100%		255
9	Green 1	000-255	0 - 100%		255
10	Green Fine 1	000-255	0 - 100%		255
11	Blue 1	000-255	0 - 100%		255
12	Blue Fine 1	000-255	0 - 100%		255
13	CTC 1 (affects RGB 1)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
14	Tint 1 (affects CTC 1 and RGB 1)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
15	Color Macro 1 (override RGB 1/ CTC 1)				0
16	Color Macro Cross- fade 1 (Transition Time between Color Macros 1)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
17	Dimmer 2	000-255	0 - 100%		255
18	Dimmer 2 Fine	000-255	0 - 100%		255
19	Red 2	000-255	0 - 100%		255
20	Red Fine 2	000-255	0 - 100%		255
21	Green 2	000-255	0 - 100%		255
22	Green Fine 2	000-255	0 - 100%		255
23	Blue 2	000-255	0 - 100%		255
24	Blue Fine 2	000-255	0 - 100%		255
25	CTC 2 (affects RGB 2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

26	Tint 2 (affects CTC 2 and RGB 2)	0	no function	0
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
27	Color Macro 2 (override RGB 2 / CTC 2)			0
28	Color Macro Cross-fade 2 (Transition Time between Color Macros 2)	000 - 005	no function	0
		006-105	0,1s - 10s (0,1s steps)	
		106-214	11s - 119s (1s steps)	
		215-244	2m - 4m50s (10s steps)	
		245-255	5m - 15m (1m steps)	
29	Effect override RGB 1+2 / CTC 1+2, Color Macro 1+2	000-15	No Function	0
		016-039	Effect 1 (slow to fast)	
		040-063	Effect 2 (slow to fast)	
		064-87	Effect 3 (slow to fast)	
		88-111	Effect 4 (slow to fast)	
		112-135	Effect 5 (slow to fast)	
		136-159	Effect 6 (slow to fast)	
		160-183	Effect 7 (slow to fast)	
		184-207	Effect 8 (slow to fast)	
		208-231	Effect 9 (slow to fast)	
		232-255	Effect 10 (slow to fast)	
30	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings	0
		052-101	Linear Dimmer Curve	
		102-152	Exponential Dimmer Curve	
		153-203	Logarithmic Dimmer Curve	
		204-255	S-Curve Dimmer Curve	
31	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	0
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
32	Redshift	000-84	No Function - Current Preset from Menu Settings	0
		085-170	Redshift Off	
		171-255	Redshift On	

Redshift affects only between CCT 2700-3500K.

33	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration (RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	
		240-255	No function		

10CH DIRECT (RAW)

CH	Function	Value	Setting	Remark	Default
1	Red 1	000-255	0 - 100%		0
2	Green 1	000-255	0 - 100%		0
3	Blue 1	000-255	0 - 100%		0

4	Amber 1	000-255	0 - 100%		0
5	White 1	000-255	0 - 100%		0
6	Red 2	000-255	0 - 100%		0
7	Green 2	000-255	0 - 100%		0
8	Blue 2	000-255	0 - 100%		0
9	Amber 2	000-255	0 - 100%		0
10	White 2	000-255	0 - 100%		0

12CH DIRECT (RAW)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
2	Shutter	110 - 124	Strobe 4: random strobe (fast ⊕ slow)		20
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
3	Red	000-255	0 - 100%		255
4	Green	000-255	0 - 100%		255
5	Blue	000-255	0 - 100%		255
6	Amber	000-255	0 - 100%		255
7	White	000-255	0 - 100%		255

8	CTC (affects RGBAW)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
9	Tint (affects CTC and RGBAW)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
10	Color Macro (override RGBAW/ CTC)				0
11	Color Macro Cross- fade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
12	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
110-114	Redshift On (hold 1,5s / affects only bet- ween 2700-3500K)				
115-119	Redshift Off (hold 1,5s)				

12	Device Settings (please see remark *1)	120-124	No function		0
		125-129	RAW (hold 3s)		
		130-134	User Calibration (hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	
240-255	No function				

17CH DIRECT (RAW)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		

2	Shutter	130 - 144	Strobe 5: random opening pulse (fast @ slow)	20	
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast @ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast @ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast @ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast @ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast @ slow)		
		245 - 255	Shutter open		
3	Dimmer 1	000-255	0 - 100%	255	
4	Red 1	000-255	0 - 100%	255	
5	Green 1	000-255	0 - 100%	255	
6	Blue 1	000-255	0 - 100%	255	
7	Amber 1	000-255	0 - 100%	255	
8	White 1	000-255	0 - 100%	255	
9	Dimmer 2	000-255	0 - 100%	255	
10	Red 2	000-255	0 - 100%	255	
11	Green 2	000-255	0 - 100%	255	
12	Blue 2	000-255	0 - 100%	255	
13	Amber 2	000-255	0 - 100%	255	
14	White 2	000-255	0 - 100%	255	
15	CTC (affects RGBAW 1+2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
15	CTC (affects RGBAW 1+2)	226-226	6500K		0
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
16	Tint (affects CTC and RGBAW 1+2)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
17	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		

17	Device Settings (please see remark *1)	055-059	DMX Fail - Emergency Light (hold 3s)		0
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only bet- ween 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	RAW (hold 3s)		
		130-134	User Calibration (hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
220-224	LED Mode - Boost (hold 1,5s)				
225-229	No function				
230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250			
235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX			
240-255	No function				

28CH DIRECT (RAW)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		2	Shutter	170 - 184	
185 - 189	Shutter open				
190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)				
205 - 209	Shutter open				
210 - 224	Strobe 9: sine wave (fast ⊕ slow)				
225 - 229	Shutter open				
2	Shutter	230 - 244	Strobe 10: burst (fast ⊕ slow)		20
		245 - 255	Shutter open		
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
4	Dimmer 1	000-255	0 - 100%		255
5	Red 1	000-255	0 - 100%		255
6	Green 1	000-255	0 - 100%		255
7	Blue 1	000-255	0 - 100%		255
8	Amber 1	000-255	0 - 100%		255
9	White 1	000-255	0 - 100%		255

10	CTC 1 (affects RGBAW 1)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
11	Tint 1 (affects CTC 1 and RGBAW 1)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
12	Color Macro 1 (override RGBAW 1/ CTC 1)				0
13	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
14	Dimmer 2	000-255	0 - 100%		255
15	Red 2	000-255	0 - 100%		255
16	Green 2	000-255	0 - 100%		255
17	Blue 2	000-255	0 - 100%		255
18	Amber 2	000-255	0 - 100%		255
19	White 2	000-255	0 - 100%		255
20	CTC 2 (affects RGBAW 2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
21	Tint 2 (affects CTC 2 and RGBAW 2)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
22	Color Macro 2 (override RGBAW 2 / CTC 2)				0
23	Color Macro Cross- fade 2 (Transition Time between Color Macros 2)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		

24	Effect override RGBAW 1+2 / CTC 1+2, Color Macro 1+2	000-15	No Function		0
		016-039	Effect 1 (slow to fast)		
		040-063	Effect 2 (slow to fast)		
		064-87	Effect 3 (slow to fast)		
		88-111	Effect 4 (slow to fast)		
		112-135	Effect 5 (slow to fast)		
		136-159	Effect 6 (slow to fast)		
		160-183	Effect 7 (slow to fast)		
		184-207	Effect 8 (slow to fast)		
		208-231	Effect 9 (slow to fast)		
		232-255	Effect 10 (slow to fast)		
25	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
26	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
27	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700- 3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		
28	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-122	No function		
		123-127	RAW Mode (hold 3s)		
		128-132	User Calibration (hold 3s)		

28	Device Settings (please see remark *1)	133-139	No function		0
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX			
240-255	No function				

41CH DIRECT (RAW)

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
3	Shutter	130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		20
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
4	Duration	230 - 244	Strobe 10: burst (fast ⊕ slow)		0
		245 - 255	Shutter open		
				only affects to channel 2 - Strobe 1 025-064	
5	Dimmer 1	000-255	0 - 100%		255
6	Dimmer 1 Fine	000-255	0 - 100%		255
7	Red 1	000-255	0 - 100%		255
8	Red Fine 1	000-255	0 - 100%		255
9	Green 1	000-255	0 - 100%		255
10	Green Fine 1	000-255	0 - 100%		255
11	Blue 1	000-255	0 - 100%		255
12	Blue Fine 1	000-255	0 - 100%		255
13	Amber 1	000-255	0 - 100%		255
14	Amber Fine 1	000-255	0 - 100%		255
15	White 1	000-255	0 - 100%		255
16	White Fine 1	000-255	0 - 100%		255

17	CTC 1 (affects RGBAW 1)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
18	Tint 1 (affects CTC 1 and RGBAW 1)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
19	Color Macro 1 (override RGBAW 1/ CTC 1)				0
20	Color Macro Cross- fade 1 (Transition Time between Color Macros 1)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
21	Dimmer 2	000-255	0 - 100%		255
22	Dimmer 2 Fine	000-255	0 - 100%		255
23	Red 2	000-255	0 - 100%		255
24	Red Fine 2	000-255	0 - 100%		255
25	Green 2	000-255	0 - 100%		255
26	Green Fine 2	000-255	0 - 100%		255
27	Blue 2	000-255	0 - 100%		255
28	Blue Fine 2	000-255	0 - 100%		255
29	Amber 2	000-255	0 - 100%		255
30	Amber Fine 2	000-255	0 - 100%		255
31	White 2	000-255	0 - 100%		255
32	White Fine 2	000-255	0 - 100%		255
33	CTC 2 (affects RGBAW 2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
34	Tint 2 (affects CTC 2 and RGBAW 2)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
35	Color Macro 2 (override RGBAW 2 / CTC 2)				0

36	Color Macro Cross-fade 2 (Transition Time between Color Macros 2)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
37	Effect override RGBAW 1-4 / CTC 1-4, Color Macro 1-4	000-15	No Function		0
		016-039	Effect 1 (slow to fast)		
		040-063	Effect 2 (slow to fast)		
		064-87	Effect 3 (slow to fast)		
		88-111	Effect 4 (slow to fast)		
		112-135	Effect 5 (slow to fast)		
37	Effect override RGBAW 1-4 / CTC 1-4, Color Macro 1-4	136-159	Effect 6 (slow to fast)		0
		160-183	Effect 7 (slow to fast)		
		184-207	Effect 8 (slow to fast)		
		208-231	Effect 9 (slow to fast)		
		232-255	Effect 10 (slow to fast)		
38	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
39	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
40	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		
41	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-122	No function		
		123-127	RAW Mode (hold 3s)		
		128-132	User Calibration (hold 3s)		
		133-139	No function		

Device Settings (please see remark *1)	140-144	LED Frequency 800Hz (hold 3s)	
	145-149	LED Frequency 1200Hz (hold 3s)	
	150-154	LED Frequency 2000Hz (hold 3s)	
	155-159	LED Frequency 3600Hz (hold 3s)	
	160-164	LED Frequency 12kHz (hold 3s)	
	165-169	LED Frequency 25kHz (hold 3s)	
	170-174	No function	
	175-179	Fan Auto (hold 3s)	
	180-184	Fan Silent (hold 3s)	
	185-189	Fan Off (hold 3s)	
	190-194	Fan High Power (hold 3s)	
	195-199	No function	
	200-204	Invert Mapping Off (hold 3s)	
	205-209	Invert Mapping On (hold 3s)	
	210-214	No function	
	215-219	LED Mode - Illumination (hold 1,5s)	
	220-224	LED Mode - Boost (hold 1,5s)	
	225-229	No function	
	230-234	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
	235-239	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self-test by DMX
240-255	No function		
remark *1	After adjustments please set the value back to 000 to avoid any disturbance by endless function call.		